WHAT IS CLAIMED IS:

1. An Internet facsimile gateway device connected to a telecommunication network and the Internet, comprising;

an image-information transmitting unit that transmits image information included in an electronic mail message to a facsimile device when said Internet facsimile gateway device receives said electronic mail message requesting image-information transmission to the facsimile device;

a delivery-confirmation-mail creating unit that creates a delivery-confirmation mail message notifying a result of the image-information transmission after the image-information transmission by said Internet facsimile gateway device is completed, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message to an original address of said electronic mail message; and

a delivery-confirmation-mail transmitting unit that transmits the delivery-confirmation mail message to

the original address of said electronic mail message.

2. The Internet facsimile gateway device as claimed in claim 1, wherein:

the delivery-confirmation mail message is regulated by a DSN; and

the delivery-confirmation-mail creating unit creates the delivery-confirmation mail message regulated by the DSN notifying a successful image transmission after the image-information transmission by said Internet facsimile gateway device is succeeded, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the DSN notifying the successful image transmission to the original address of said electronic mail message.

3. The Internet facsimile gateway device as claimed in claim 1, wherein:

the delivery-confirmation mail message is regulated by the DSN; and

the delivery-confirmation-mail creating unit that creates the delivery-confirmation mail message regulated by the DSN notifying a failed image transmission after the image-information transmission by said Internet facsimile gateway device is failed, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the DSN notifying the failed image transmission to the original address of said electronic mail message.

4. The Internet facsimile gateway device as claimed in claim 1, wherein:

the delivery-confirmation mail message is regulated by a MDN; and

the delivery-confirmation-mail creating unit that creates the delivery-confirmation mail message regulated by the MDN notifying the successful image transmission after the image-information transmission by said Internet facsimile gateway device is succeeded, if

said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the MDN notifying the successful image transmission to the original address of said electronic mail message.

5. The Internet facsimile gateway device as claimed in claim 1, wherein:

the delivery-confirmation mail message is regulated by the MDN; and

the delivery-confirmation-mail creating unit creates the delivery-confirmation mail message regulated by the MDN notifying the failed image transmission after the image-information transmission by said Internet facsimile gateway device is failed, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the MDN notifying the failed image transmission to the original address of said electronic mail message.

6. The Internet facsimile gateway device as claimed in claim 1, wherein the delivery-confirmation mail message further comprising a first extension field that indicates a total number of pages transmitted to the facsimile device.

7. The Internet facsimile gateway device as claimed in claim 1, wherein the delivery-confirmation mail message further comprising a second extension field that indicates a communication charge for transmitting the image information to the facsimile device.

8. The Internet facsimile gateway device as claimed in claim 1, wherein the delivery-confirmation mail message further comprising a third extension field that indicates a time at which the image-information transmission is completed.

9. The Internet facsimile gateway device as claimed in claim 1, wherein the telecommunication network is a general switched telephone network GSTN.

10. The Internet facsimile gateway device as claimed in claim 1, wherein the telecommunication network is an analog public network PSTN, and the facsimile device is a G3 facsimile device.

11. The Internet facsimile gateway device as claimed in claim 1, wherein the telecommunication network is an integrated services digital network ISDN, and the facsimile device is a G4 facsimile device.

12. The Internet facsimile gateway device as claimed in claim 1, wherein said delivery-confirmation-

mail creating unit creates the delivery-confirmation mail message that notifies the result of the image-information transmission, said result including reception ability information of the facsimile device received therefrom, after the image-information transmission by said Internet facsimile gateway device is completed if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message to the original address of said electronic mail message.

13. The Internet facsimile gateway device as claimed in claim 12, wherein the telecommunication network is an analog public network PSTN, and the facsimile device is a G3 facsimile device.

14. The Internet facsimile gateway device as claimed in claim 13, wherein the reception ability information of the G3 facsimile device is a content of a

signal DIS (Digital Identification Signal) notified therefrom.

15. The Internet facsimile gateway device as claimed in claim 13, wherein the reception ability information of the G3 facsimile device is a content of a signal NSF (Non-Standard Facilities) notified therefrom.

16. The Internet facsimile gateway device as claimed in claim 13, wherein the reception ability information of the G3 facsimile device is a content of a signal JM notified therefrom.

17. The Internet facsimile gateway device as claimed in claim 13, wherein the reception ability information of the G3 facsimile device is information

about a function to connect to the Internet in a case that the G3 facsimile device includes the function to connect to the Internet.

18. The Internet facsimile gateway device as claimed in claim 17, wherein the reception ability information of the G3 facsimile device includes a content of a signal CSA notified therefrom.

19. The Internet facsimile gateway device as claimed in claim 12, wherein the telecommunication network is an integrated services digital network ISDN, and the facsimile device is a G4 facsimile device.

20. The Internet facsimile gateway device as claimed in claim 19, wherein the reception ability

information of the G4 facsimile device is a content of a signal RDCLP notified therefrom.

21. An Internet facsimile gateway device connected to a telecommunication network and the Internet, comprising:

an image-information transmitting unit that transmits image information included in an electronic mail message to a facsimile device when said Internet facsimile gateway device receives said electronic mail message requesting image-information transmission to the facsimile device;

a first-delivery-confirmation-mail creating unit that creates a first delivery-confirmation mail message notifying a successful transmission of said electronic mail message to said facsimile device, after receiving said electronic mail message if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message to an original address of said electronic mail message;

a first-delivery-confirmation-mail

transmitting unit that transmits the first delivery-confirmation mail message to the original address of said electronic mail message;

a second-delivery-confirmation-mail creating unit that creates a second delivery-confirmation mail message notifying a result of the image-information transmission by said Internet facsimile gateway device to the facsimile device after said image-information transmission; and

a second-delivery-confirmation-mail transmitting unit that transmits the second delivery-confirmation mail message to the original address of said electronic mail message.

22. The Internet facsimile gateway device as claimed in claim 21, wherein:

the first delivery-confirmation mail message is regulated by a DSN;

the second delivery-confirmation mail message is regulated by the DSN; and

the second-delivery-confirmation-mail creating unit creates the second delivery-confirmation mail

message regulated by the DSN notifying a successful image transmission after the image-information transmission by said Internet facsimile gateway device is succeeded, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the DSN notifying the successful image transmission to the original address of said electronic mail message.

23. The Internet facsimile gateway device as claimed in claim 21, wherein:

the first delivery-confirmation mail message is regulated by the DSN;

the second delivery-confirmation mail message is regulated by the DSN; and

the second-delivery-confirmation-mail creating unit that creates the second delivery-confirmation mail message regulated by the DSN notifying a failed image transmission after the image-information transmission by said Internet facsimile gateway device is failed, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-

confirmation mail message regulated by the DSN notifying the failed image transmission to the original address of said electronic mail message.

24. The Internet facsimile gateway device as claimed in claim 21, wherein:

the first delivery-confirmation mail message is regulated by a MDN;

the second delivery-confirmation mail message is regulated by the MDN; and

the second-delivery-confirmation-mail creating unit that creates the second delivery-confirmation mail message regulated by the MDN notifying the successful image transmission after the image-information transmission by said Internet facsimile gateway device is succeeded, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the MDN notifying the successful image transmission to the original address of said electronic mail message.

25. The Internet facsimile gateway device as claimed in claim 21, wherein:

the first delivery-confirmation mail message is regulated by the MDN;

the second delivery-confirmation mail message is regulated by the MDN; and

the second-delivery-confirmation-mail creating unit creates the second delivery-confirmation mail message regulated by the MDN notifying the failed image transmission after the image-information transmission by said Internet facsimile gateway device is failed, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the MDN notifying the failed image transmission to the original address of said electronic mail message.

26. The Internet facsimile gateway device as claimed in claim 21, wherein the telecommunication network is a general switched telephone network GSTN.

27. The Internet facsimile gateway device as claimed in claim 21, wherein the telecommunication network is an analog public network PSTN, and the facsimile device is a G3 facsimile device.

28. The Internet facsimile gateway device as claimed in claim 21, wherein the telecommunication network is an integrated services digital network ISDN, and the facsimile device is a G4 facsimile device.

29. A method of controlling an Internet facsimile gateway device, comprising the steps of:

connecting to a telecommunication network and the Internet;

transmitting image information included in an electronic mail message to a facsimile device when receiving said electronic mail message requesting image-information transmission to the facsimile device;

creating a delivery-confirmation mail message

notifying a result of the image-information transmission after completing the image-information transmission, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message to an original address of said electronic mail message; and

transmitting the delivery-confirmation mail message to the original address of said electronic mail message.

30. The method of controlling the Internet facsimile gateway device as claimed in claim 29, wherein the delivery-confirmation mail message is regulated by a DSN, said method comprising the step of creating the delivery-confirmation mail message regulated by the DSN notifying a successful image transmission after the image-information transmission by said Internet facsimile gateway device is succeeded, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the DSN notifying the successful image transmission to the original address of

said electronic mail message.

31. The method of controlling the Internet facsimile gateway device as claimed in claim 29, wherein the delivery-confirmation mail message is regulated by the DSN, said method comprising the step of creating the delivery-confirmation mail message regulated by the DSN notifying a failed image transmission after the image-information transmission by said Internet facsimile gateway device is failed, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the DSN notifying the failed image transmission to the original address of said electronic mail message.

32. The method of controlling the Internet facsimile gateway device as claimed in claim 29, wherein the delivery-confirmation mail message is regulated by a

MDN, said method comprising the step of creating the delivery-confirmation mail message regulated by the MDN notifying the successful image transmission after the image-information transmission by said Internet facsimile gateway device is succeeded, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the MDN notifying the successful image transmission to the original address of said electronic mail message.

33. The method of controlling the Internet facsimile gateway device as claimed in claim 29, wherein the delivery-confirmation mail message is regulated by the MDN, said method comprising the step of creating the delivery-confirmation mail message regulated by the MDN notifying the failed image transmission after the image-information transmission by said Internet facsimile gateway device is failed, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the MDN notifying the failed image

transmission to the original address of said electronic mail message.

34. The method of controlling the Internet facsimile gateway device as claimed in claim 29, wherein the telecommunication network is a general switched telephone network GSTN, said method comprising the step of connecting to the general switched telephone network GSTN and the Internet.

35. The method of controlling the Internet facsimile gateway device as claimed in claim 29, wherein the telecommunication network is an analog public network PSTN, and the facsimile device is a G3 facsimile device, said method comprising the steps of:

connecting to the analog public network PSTN and the Internet; and

exchanging the image information with the G3 facsimile device through the connected analog public

network PSTN.

36. The method of controlling the Internet facsimile gateway device as claimed in claim 29, wherein the telecommunication network is an integrated services digital network ISDN, and the facsimile device is a G4 facsimile device, said method comprising the steps of:

connecting to the integrated services digital network ISDN and the Internet; and

exchanging the image information with the G4 facsimile device through the connected integrated services digital network ISDN.

37. The method of controlling an Internet facsimile gateway device as claimed in claim 29, said method comprising the step of creating the delivery-confirmation mail message that notifies the result of the image-information transmission, said result including reception ability information of the facsimile

device received therefrom, after completing the image-information transmission if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message to the original address of said electronic mail message.

38. A method of controlling an Internet facsimile gateway device, comprising the steps of:

connecting to a telecommunication network and the Internet;

transmitting image information included in an electronic mail message to a facsimile device after receiving said electronic mail message requesting image-information transmission to the facsimile device;

creating a first delivery-confirmation mail message notifying a successful transmission of said electronic mail message to said facsimile device, after receiving said electronic mail message if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message to an original address of said electronic mail message;

transmitting the first delivery-confirmation mail message to the original address of said electronic mail message;

creating a second delivery-confirmation mail message notifying a result of the image-information transmission by said Internet facsimile gateway device to the facsimile device after said image-information transmission; and

transmitting the second delivery-confirmation mail message to the original address of said electronic mail message.

39. The method of controlling the Internet facsimile gateway device as claimed in claim 38, wherein the first delivery-confirmation mail message is regulated by a DSN, and the second delivery-confirmation mail message is regulated by the DSN, said method comprising the step of creating the second delivery-confirmation mail message regulated by the DSN notifying a successful image transmission after the image-information transmission by said Internet facsimile gateway device is succeeded, if said electronic mail

message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the DSN notifying the successful image transmission to the original address of said electronic mail message.

40. The method of controlling the Internet facsimile gateway device as claimed in claim 38, wherein the first delivery-confirmation mail message is regulated by the DSN, and the second delivery-confirmation mail message is regulated by the DSN, said method comprising the step of creating the second delivery-confirmation mail message regulated by the DSN notifying a failed image transmission after the image-information transmission by said Internet facsimile gateway device is failed, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the DSN notifying the failed image transmission to the original address of said electronic mail message.

41. The method of controlling the Internet facsimile gateway device as claimed in claim 38, wherein the first delivery-confirmation mail message is regulated by a MDN, and the second delivery-confirmation mail message is regulated by the MDN, said method comprising the step of creating the second delivery-confirmation mail message regulated by the MDN notifying the successful image transmission after the image-information transmission by said Internet facsimile gateway device is succeeded, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the MDN notifying the successful image transmission to the original address of said electronic mail message.

42. The method of controlling the Internet facsimile gateway device as claimed in claim 38, wherein the first delivery-confirmation mail message is regulated by the MDN, and the second delivery-confirmation mail message is regulated by the MDN, said method comprising the step of creating the second

delivery-confirmation mail message regulated by the MDN notifying the failed image transmission after the image-information transmission by said Internet facsimile gateway device is failed, if said electronic mail message requests said Internet facsimile gateway device to transmit the delivery-confirmation mail message regulated by the MDN notifying the failed image transmission to the original address of said electronic mail message.

43. The method of controlling the Internet facsimile gateway device as claimed in claim 38, wherein the telecommunication network is a general switched telephone network GSTN, said method comprising the step of connecting to the general switched telephone network GSTN and the Internet.

44. The method of controlling the Internet facsimile gateway device as claimed in claim 38, wherein

the telecommunication network is an analog public network PSTN, and the facsimile device is a G3 facsimile device, said method comprising the steps of:

connecting to the analog public network PSTN and the Internet; and

exchanging the image information with the G3 facsimile device through the connected analog public network PSTN.

45. The method of controlling the Internet facsimile gateway device as claimed in claim 38, wherein the telecommunication network is an integrated services digital network ISDN, and the facsimile device is a G4 facsimile device, said method comprising the steps of:

connecting to the integrated services digital network ISDN and the Internet; and

exchanging the image information with the G4 facsimile device through the connected integrated services digital network ISDN.